Explore your Research Opportunities in the German Ruhr Area

Ruhr-Universität Bochum
Technische Universität Dortmund
Universität Duisburg-Essen
Endless Research Opportunities for Early Career Researchers in the Ruhr Area

Welcome to the Ruhr – Germany’s largest metropolitan area where innovative research meets strong networks!

Benefit from a unique scientific diversity at Ruhr-Universität Bochum, TU Dortmund University, and the University of Duisburg-Essen: 49 faculties in total, a multitude of common research profiles and inter-university research projects as well as vibrant and international research communities.

Join a Strong Research Network

Our three universities collaborate closely in the University Alliance Ruhr (UA Ruhr). The alliance fosters a wide range of joint research activities across disciplines and promotes strong national and international networks and cooperation. To promote bright minds and breakthrough innovations in the best possible way, all three universities offer tailored support structures, start-up consulting, and on-boarding for researchers from abroad.

Our future leaders-to-be participate in this huge research network and actively contribute to exceptional research: doctoral researchers come
together in interdisciplinary training groups and postdoctoral researchers cooperate in cross-university research centers and programs.

**Excellent Support for Your Research Career**

The UA Ruhr universities join forces in the Research Academy Ruhr (RAR), one of the biggest platforms for supporting early career researchers in Germany, to offer you even more:

Advanced Master’s students, doctoral and postdoctoral researchers benefit from competence-oriented workshops, interdisciplinary networking events, expert-based dialogues on career paths and individual consulting offers.

RAR supports about 10,000 early career researchers to advance their career in research, business, and society.

On the following pages we provide an overview of research institutions and key research areas within the UA Ruhr. Explore your research opportunities in the Ruhr Area and join us!
Three Universities, One Academic Hub

Outstanding researchers of the UA Ruhr universities join their research activities, networks, and expertise in flagship programs and competence fields. By providing best research environment and conditions, these innovative and promising research areas are attractive for scientists and scholars all over the world.

Flagship Program “Materials Chain”
“Materials Chain” bundles and strengthens the research activities in the field of materials science within the UA Ruhr. The goal of the collaboration is to reach a complete and concise description of the whole materials chain.

Flagship Program “RESOLV”
The flagship program “RESOLV” has established Solvation Science as an interdisciplinary field to understand the influence of solvation on reactions, on the function of biomolecules, and on processes at liquid/solid interfaces.

Competence Field “Energy – System – Transformation (EST)”
The aim of the EST competence field is to propel the energy system transformation in a holistic way through selected new technologies in the areas of energy conversion, power transmission and efficient use of energy.
Competence Field “Metropolitan Research”
The aim of the competence field “Metropolitan Research” is to establish an internationally visible center for interdisciplinary and transdisciplinary metropolitan research in the middle of the “Reallabor Ruhrgebiet”.

Competence Field “Empirical Economic Research (EMF)”
The EMF competence field incorporates the diverse competencies existing at the partner institutions in the fields of applied empirical economic research, method development and scientific policy advice into a joint framework.

Institute for Advanced Study in the Humanities (KWI)
The KWI is an interdisciplinary research center for the humanities, social and cultural sciences in the tradition of international advanced study institutes. The inter-university institution encourages ambitious research in the humanities, international exchange, and intercultural dialogue with a particular focus on early career researchers and scholars.

Learn more at www.uaruhr.de
RUHR-UNIVERSITÄT BOCHUM

Faculties

Natural and Life Sciences

- Biology and Biotechnology
- Chemistry and Biochemistry
- Geosciences
- Mathematics
- Medicine (RUB Clinics)
- Physics and Astronomy

Humanities and Social Sciences

- Catholic Theology
- East Asian Studies
- Economics
- History
- Law
- Philology
- Philosophy and Educational Research
- Protestant Theology
- Psychology
- Sport Science
- Social Science

Engineering

- Civil and Environmental Engineering
- Computer Science
- Electrical Engineering and Information Technology
- Mechanical Engineering
Research Departments

- Center for Religious Studies
- Closed Carbon Cycle Economy
- IT Security
- Materials Research
- Neuroscience
- Protein Research
- Plasmas with Complex Interactions
- Solvation Science
- Subsurface Modeling and Engineering

Clusters of Excellence

- Cyber Security in the Age of Large-Scale Adversaries (CASA)

- Ruhr Explores Solvation (RESOLV): Understanding and design of solvent-dependent processes – a joint cluster with TU Dortmund University.

www.ruhr-uni-bochum.de
Faculties

Natural and Life Sciences
- Chemistry and Chemical Biology
- Mathematics
- Physics
- Statistics

Engineering and Architecture
- Architecture and Civil Engineering
- Biochemical and Chemical Engineering
- Computer Science
- Electrical Engineering and Information Technology
- Mechanical Engineering
- Spatial Planning

Humanities and Social Sciences
- Arts and Sports Sciences
- Business and Economics
- Cultural Studies
- Education, Psychology and Sociology
- Human Sciences and Theology
- Rehabilitation Sciences
- Social Sciences
Research Profile Areas

- Chemical Biology, Drug Research and Process Engineering
- Data Analysis, Modeling and Simulation
- Education, Schooling and Inclusion
- Materials, Production Technology and Logistics

Clusters of Excellence

- Ruhr Explores Solvation (RESOLV): Understanding and design of solvent-dependent processes – a joint cluster with Ruhr-Universität Bochum.

www.tu-dortmund.de
Faculties

Natural and Life Sciences
- Biology
- Chemistry
- Mathematics
- Medicine
  (University Hospital Essen)
- Physics

Humanities and Social Sciences
- Economics and Business Administration
- Educational Sciences
- Humanities
- Mercator School of Management
  (Business Management)
- Social Sciences

Engineering
- Engineering
  - Civil Engineering
  - Electrical Engineering and Information Technology
  - Computer Science and Applied Cognitive Science
  - Mechanical and Process Engineering
Research Centres

- CCSS – Center for Computational Sciences and Simulation
- CENIDE – Center for Nanointegration Duisburg-Essen
- CINCH – National Research Center for Health Economics
- Erwin L. Hahn Institute for Magnetic Resonance Imaging
- EKfG – Essen College of Gender Research
- IN-EAST – Institute of East Asian Studies
- IZfB – Interdisciplinary Centre of Educational Research
- InZentIM – Interdisciplinary Centre for Integration and Migration Research
- Käte Hamburger Kolleg/Centre for Global Cooperation Research
- paluno – The Ruhr Institute for Software Technology
- ZLV – Centre for Logistics and Traffic
- ZMB – Centre of Medical Biotechnology
- ZWU – Centre for Water and Environmental Research
Get in Touch and Join our Network!

Our website provides a compact overview of career options in the University Alliance Ruhr and of our services for international incoming researchers including contact information of the universities’ International Offices and the two UA Ruhr Liaison Offices in North America and Russia: www.research-academy-ruhr.de/international

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